

Translation

PATENT COOPERATION TREATY

PCT/JP2003/012949



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P31992-P0	<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. PCT/JP2003/012949	International filing date (day/month/year) 09 October 2003 (09.10.2003)	Priority date (day/month/year) 10 October 2002 (10.10.2002)
International Patent Classification (IPC) or national classification and IPC H01G 4/18		
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>2</u> sheets, as follows: <div style="margin-left: 40px;"><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</div> b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items: <div style="margin-left: 20px;"><input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application</div>

Date of submission of the demand 19 March 2004 (19.03.2004)	Date of completion of this report 20 December 2004 (20.12.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/012949

## Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
  - ☐ publication of the international application (under Rule 12.4)
  - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☐ The international application as originally filed/furnished
- ☒ the description:
- pages \_\_\_\_\_ 1-13 \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- pages \_\_\_\_\_ 1-11,13,14,16-20 \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_, as amended (together with any statement) under Article 19
- pages\* \_\_\_\_\_ 12,15 \_\_\_\_\_ received by this Authority on \_\_\_\_\_ 10 September 2004 (10.09.2004)
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- pages \_\_\_\_\_ 1-9 \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

**2. Citations and explanations (Rule 70.7)**

Document 1: JP, 2002-504747, A (EPCOS AG), 12 February 2002 (12.02.02), claims, [0017], Fig. 1 &DE, 19806586, A &WO, 99043011, A &US, 6370008, B

Document 2: JP, 61-188920, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 22 August 1986 (22.08.86), page 2, upper right column, lines 9-14, Fig. 1 (Family: none)

Document 3: JP, 09-199371, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 31 July 1997 (31.07.97), claims, Figs. 1-2 (Family: none)

Document 4: JP, 50-8050, A (N. V. PHILLIPS GLOEILAMPENFABRIEKEN), 28 January 1975 (28.01.75), Figs. 1-4 &FR, 2225821, A &DE, 2418221, A

Document 5: JP, 08-288171, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 01 November 1996 (01.11.96), claims, Figs. 1-4 (Family: none)

Document 6: JP, 10-135072, A (HITACHI AIC INC.), 22 May 1998 (22.05.98), claims, Fig. 4 (Family: none)

Document 7: Microfilm of the specification and drawings annexed to the written application of Japanese Utility Model Application No. 103778/1987 (Laid-open No. 8721/1989) (FDK CORPORATION), 18 January 1989 (18.01.89), claims, Figs. 1-2 (Family: none)

**Claims 1-20**

Document 1 cited in the ISR describes a metallized film capacitor in which a first thin film electrode formed on a dielectric film has a first unsplit electrode, a first split electrode sandwiching a first slit and separated from said first unsplit electrode, and a first fuse part connecting said first split electrode and the first unsplit electrode.

Here, in order to connect the unsplit electrode side to a metallikon, if the aforesaid metallized film is laminated so that the unsplit electrode side is alternately at the opposite side, it is clear that the first unsplit electrode and the second split electrode overlap at least at some part.

(In the metallized film described in document 1 the position of the slit part equivalent to non-vapor-deposited slit 5a and separating the unsplit electrode part and the split electrode part is offset from the film center in the film's width direction so it does not completely overlap.)

Similarly, it is clear that the second unsplit electrode and the first split electrode overlap at least at some part.

Also, when laminating a metallized film having an electrode connected via a slit (margin fuse part), forming the electrode so that the margin fuse part overlaps is described in document 3.

Therefore claim 1 does not involve an inventive step.

## Supplemental Box

In case the space in any of the preceding boxes is not sufficient.  
Continuation of Box V:

Document 2 cited in the ISR describes forming a vapor-deposition electrode on both surfaces of a dielectric film and constituting a metallized film capacitor together with another dielectric film.

Document 3 cited in the ISR describes forming a slit part (margin fuse part) formed in a first metallized film and a slit part (margin fuse part) formed in a second metallized film at a mutually overlapping position (see Fig. 2 in particular) and forming a third unsplit electrode connected to a metallikon.

Document 4 cited in the ISR describes a metallized film capacitor in which a first electrode is split into different potentials by an insulating margin parallel to a metallikon, a plurality of unit capacitors are connected in series via a second electrode, and the electrode's thick film portion is formed at a portion adjacent to the first electrode's metallikon.

Document 5 cited in the ISR describes a metallized film capacitor in which a first electrode is split into different potentials by an insulating margin parallel to a metallikon, a plurality of unit capacitors are connected in series via a second electrode, a fuse part is formed in the second electrode, and the electrode's thick film portion is formed at a portion adjacent to the first electrode's metallikon.

Therefore claims 1-20 do not involve an inventive step.